

Maryland Historical Trust

Maryland Inventory of Historic Properties number: BA-2847

Name: Mr. Zion Rd. Over Piney Run

The bridge referenced herein was inventoried by the Maryland State Highway Administration as part of the Historic Bridge Inventory, and SHA provided the Trust with eligibility determinations in February 2001. The Trust accepted the Historic Bridge Inventory on April 3, 2001. The bridge received the following determination of eligibility.

MARYLAND HISTORICAL TRUST	
Eligibility Recommended _____	Eligibility Not Recommended <u>X</u>
Criteria: <u> </u> A <u> </u> B <u> </u> C <u> </u> D Considerations: <u> </u> A <u> </u> B <u> </u> C <u> </u> D <u> </u> E <u> </u> F <u> </u> G <u> </u> None	
Comments: _____ _____ _____	
Reviewer, OPS: <u>Anne E. Bruder</u>	Date: <u>3 April 2001</u>
Reviewer, NR Program: <u>Peter E. Kurtze</u>	Date: <u>3 April 2001</u>

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MARYLAND INVENTORY OF HISTORIC BRIDGES
HISTORIC BRIDGE INVENTORY
MARYLAND STATE HIGHWAY ADMINISTRATION/
MARYLAND HISTORICAL TRUST

MHT No. BA-2847

SHA Bridge No. B0065

Bridge name Mt. Zion Road over Piney Run

LOCATION:

Street/Road name and number Mt. Zion Road

City/town Arcadia Vicinity X

County Baltimore

This bridge projects over: Road ☐ Railway ☐ Water ☒ Land ☐

Ownership: State ☐ County ☒ Municipal ☐ Other ☐

HISTORIC STATUS:

Is bridge located within a designated historic district? Yes ☐ No ☒

National Register-listed district ☐ National Register-determined-eligible district ☐

Locally-designated district ☐ Other ☐

Name of district

BRIDGE TYPE:

Timber Bridge ☐:

Beam Bridge ☐ Truss -Covered ☐ Trestle ☐ Timber-And-Concrete ☐

Stone Arch Bridge ☐

Metal Truss Bridge ☐

Movable Bridge ☐:

Swing ☐ Bascule Single Leaf ☐ Bascule Multiple Leaf ☐
Vertical Lift ☐ Retractable ☐ Pontoon ☐

Metal Girder ☐:

Rolled Girder ☐ Rolled Girder Concrete Encased ☐
Plate Girder ☐ Plate Girder Concrete Encased ☐

Metal Suspension ☐

Metal Arch ☐

Metal Cantilever ☐

Concrete ☒:

Concrete Arch ☒ Concrete Slab ☐ Concrete Beam ☐ Rigid Frame ☐

Other ☐ Type Name

DESCRIPTION:**Describe Setting**

Bridge B0065 carries Mt. Zion Road over Piney Run in Baltimore County. Mt. Zion Road runs north and south over the eastern flowing Piney Run. The area immediately adjacent to the bridge has limited residential development.

Describe Superstructure and Substructure:

Bridge B0065 is a single span filled concrete arch bridge. The total length of the bridge is 44 feet with the clear span measuring 40 feet. The spandrel walls are approximately 6 feet tall and 20 feet wide. The bridge has a rise of approximately 5 feet 4 inches from springline to crown. There is a clear roadway width of 16 feet 4 inches, with an overall bridge width of 17 feet 8 inches. The arch barrel has extreme deterioration, reinforcement bar exposure, cracking and efflorescence. There are large areas of scale and reinforcement bar exposure at the joint of the parapet and spandrel wall. The spandrel walls have large areas of cracking and patched areas from previous repairs. In addition, the walls have areas of efflorescence. According to a 1995 inspection report, the bridge is in fair condition with a sufficiency rating of 35.2.

Bridge B0065 retains one of its original parapets. There is a single section running the length of the bridge including the wingwalls. This single section has 6 incised panels measuring 5 feet by 1 foot. There is extreme scaling on one of the caps of the parapets and cracking throughout the panels.

Discuss major Alterations:

At some unknown date, the eastern parapet was replaced. Though major patching of the bridge has occurred, there have been no major alterations to this structure.

HISTORY:

WHEN was bridge built (actual date or date range) 1909

This date is: Actual Estimated X

Source of date: Plaque Design plans County bridge files/inspection form

Other (specify)

WHY was bridge built? To replace an existing structure.

WHO was the designer? Unknown

WHO was the builder? Baltimore County Highways Department

WHY was bridge altered? N/A

Was bridge built as part of an organized bridge-building campaign?

Yes, this bridge was built as part of Baltimore County road extensions.

SURVEYOR/HISTORIAN ANALYSIS:

This bridge may have National Register significance for its association with:

A - Events **B- Person**

C- Engineering/architectural character

This bridge was determined not eligible by the Interagency Review Committee in June 1996.

Was bridge constructed in response to significant events in Maryland or local history?

It is unknown why the first bridge at this site was built. However, during the early days of improved road construction in Maryland, a policy of building narrow roads and bridges was adopted so that a complete system of highways might be completed within a reasonable time limit and with limited funds. As traffic increased, it became necessary to reconstruct existing roads to greater width and strength.

This bridge is similar in design and date to those bridges built by the Luten Bridge Company of York, Pennsylvania. However, without a bridge plaque or a contract number, it is impossible to determine if the company had any connection to this structure.

When the bridge was built and/or given a major alteration, did it have a significant impact on the growth & development of the area?

No, this bridge did not have an impact on the growth of the area. It crosses a small stream in a rural area.

Is the bridge located in an area that may be eligible for historic designation?

No, the bridge is not located in an area that is eligible for historic designation.

Is the bridge a significant example of its type?

No, due to the current condition of the materials and design, and its relatively poor condition, this bridge does not stand as a significant example of a concrete arch bridge.

Does bridge retain integrity of important elements described in Context Addendum?

The bridge retains its arch, one parapet, spandrel walls, and the abutments, but all the elements are in extremely deteriorated condition.

Is bridge a significant example of work of manufacturer, designer and/or engineer?

No, this bridge is not a significant example of the work of a manufacturer, designer, or engineer.

Should bridge be given further study before significance analysis is made?

No, this bridge should not be given further study.

BIBLIOGRAPHY:

County inspection/bridge files X SHA inspection/bridge files

Other (list):

SURVEYOR/SURVEY INFORMATION:

Date bridge recorded June 1996

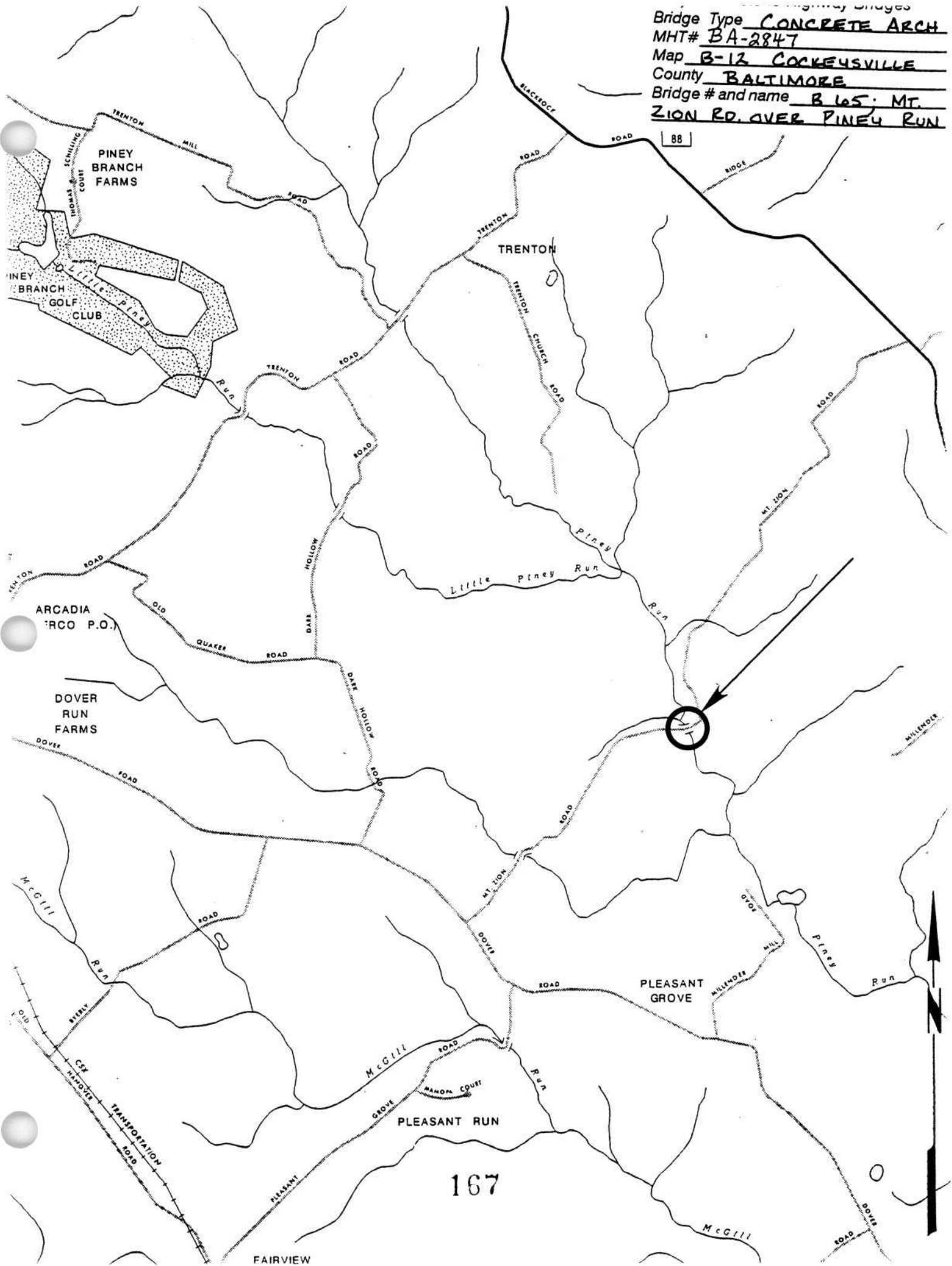
Name of surveyor Stacie Webb

Organization/Address State Highway Administration, 707 North Calvert Street, Baltimore, MD

Phone number 410-545-8559

Edited by P.A.C. Spero & Company, December 1997

Bridge Type CONCRETE ARCH
MHT# BA-2847
Map B-12 COCKEYSVILLE
County BALTIMORE
Bridge # and name B 65 MT.
ZION RD. OVER PINEY RUN



BA-2847
Bridge, Mt. Zion Road over Piney Run
Upperco
Hampstead Quadrangle





Inventory # BA-2847

Name BOULDER MOUNT LION RD OVER PINEY RUN

County/State BALTIMORE COUNTY /MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description SOUTH APPROACH LOOKING NORTH

Number 139 of 394



Inventory # BA-2847

Name BODOL - MOUNT ZION RD OVER PINEY RUN

County/State BALTIMORE COUNTY / MD

Name of Photographer DAVE DIEHL

Date 1/95

Location of Negative SHA

Description WEST ELEVATION LOOKING
NORTHEAST

Number 235 of 314



Inventory # BA-2847

Name BOD65- MOUNT ZION RD OVER PINEY RUN

County/State BALTIMORE COUNTY MD

Name of Photographer DAVE DEHL

Date 1/95

Location of Negative SNA

Description EAST ELEVATION LOOKING
NORTHWEST

Number 3 of 34



WEIGHT
LIMIT
9 1/2
9 1/2
11 1/2

Inventory # BA-2847

Name WOLFS-MOUNT ZION RD OVER PINEY RUN

County/State BALTIMORE COUNTY / MD

Name of Photographer DAVE DIEHL

Date 1/95 2/95

Location of Negative SHA

Description SOUTH APPROACH LOOKING
NORTH

Number 4 of 37 4